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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/604,964	08/28/2003	Razak Hossain	03-LJ-011	1963
	7590 04/07/200 CTRONICS, INC	EXAMINER		
MAIL STATIO	N 2346		LEVIN, NAUM B	
1310 ELECTRONICS DRIVE CARROLLTON, TX 75006			ART UNIT	PAPER NUMBER
			2825	
			MAIL DATE	DELIVERY MODE
			04/07/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Action Occurrence	10/604,964	HOSSAIN, RAZAF	<			
Office Action Summary	Examiner	Art Unit				
	NAUM B. LEVIN	2825				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ldress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	J. lely filed the mailing date of this o ○ (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on <u>03 De</u>	ecember 2007.					
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3) Since this application is in condition for allowan						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-3 and 20-36</u> is/are pending in the ap	oplication.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.	· · · · · · · · · · · · · · · · · · ·					
7) Claim(s) is/are objected to.						
8) Claim(s) 1-3 and 20-36 are subject to restriction	n and/or election requirement.					
Application Papers						
9) The specification is objected to by the Examiner						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119						
<u> </u>	priority under 25 LLC C S 110(a)	(d) or (f)				
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	-(a) or (i).				
1.☐ Certified copies of the priority documents	s have been received					
2. Certified copies of the priority documents		on No				
	• •	<u></u>	Stage			
<u> </u>						
	application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
Coo the attached detailed office action for a list (s. a.o ostanou oopios not receive	 .				
Attachment(s)	_					
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) ∐ Interview Summary Paper No(s)/Mail Da					
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P					
Paper No(s)/Mail Date	6)					

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DETAILED ACTION

1. This office action is in response to application 10/604,964, and RCE filed on 12/03/2007. Claims 4-19 have been cancelled. Claims 1-3 and 20-36 remain pending in the application.

Election/Restrictions

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
- I. Claims 1-3, 33 (Group 1), drawn to configuration vector for routing connections between circuit elements to reduce leakage current in a circuit, classified in class 716, subclass 12.
- II. Claims 20-32, 34-36 (Group 2), drawn to selecting between test vector and configuration vector to test a circuit, classified in class 716, subclass 4.

Inventions 1-3, 33 (Group 1) and 20-32, 34-36 (Group 2) are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed, because Group 1 does not require test vector to routing connections between circuit elements. The subcombination (Group 2) has separate utilities such as: selecting between test vector and configuration vector; selecting between test vector enable signal and configuration vector enable signal.

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3. Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required, because the inventions have acquired a separate status in the art in view of their different classification that requires a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

- 4. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).
- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Naum B. Levin whose telephone number is 571-272-1898. The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Chiang can be reached on 571-272-7483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Naum Levin/ Examiner Art Unit 2825

/Thuan Do/

Primary Examiner, Art Unit 2825

04/01/2008

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